



AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2005
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Date: 06-12-18

Lab ID : CP-2019-01-11-50
Customer : Assistant Executive Engineer, Yelahanka Sub Division, BBMP,
Bangalore.
Address : Yelahanka Sub Division, BBMP, Bangalore.
Project Name : Improvements to Roads and Drain at Shushrusha Hospital Back Side in
Ward No-01 of Yelahanka Sub Division.
Agency : Sri.Harshith Raj R Noo:286, Doddaballapura, Bangalore.
Customer's Reference : EE(YNK.D)E-PMT-19/WO/88/2018-19
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 03-12-18
Sample Type : Birla Super 53 grade
Reference to BIS codes : IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification ,
IS 4031 (Part 1,2,3,4,5, 6,11):1988
IS 4031 Part 1 DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4
IS 4031 Part 2, Determination of Fineness by Blaine Air Permeability Method, Clause 5
IS 4031 Part 3, Determination of Soundness, Clause 5, Clause 6
IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5
IS 4031 Part 5, Determination of Initial & Final Setting Time, Clause 5
IS 4031 Part 11, DETERMINATION OF DENSITY , Clause 6

Date of test : 04-12-18

Environmental Conditions during test

Temperature: 26°C
Humidity: 72%

Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	Fineness by dry sieving (%)	1.85	—
2	Finess by Air permeability method (m ² /kg, Min)	348.6	225m ² /kg, Min
3	Density (gm/cc)	3.15	—
4	Standard Consistency (%)	28.5%	Not specified
5	Initial Setting time	135 minutes	Not less than 30 minutes
6	Final Setting time	245 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	1.5mm	Not more than 10 mm

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

FOR CIVIL Pro.

R KARTHIK RECHAN

Authorized Signatory
Quality Manager



Page 1/1

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL
GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |



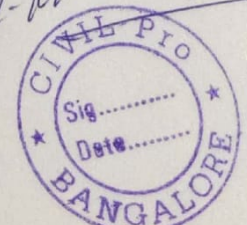
TEST REPORT ON COARSE AGGREGATES

Date: 06-12-18

Lab ID : CP-2019-01-11-50
Customer : Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address : Yelahanka Sub Division, BBMP, Bangalore.
Project Name : Improvements to Roads and Drain at Shushrusha Hospital Back Side in Ward No-01 of Yelahanka Sub Division.
Agency : Sri.Harshith Raj R Noo:286, Doddaballapura, Bangalore.
Customer's Reference : EE(YNK.D)E-PMT-19/WO/88/2018-19
Source of Sample : Sample supplied by Agency
Sample condition : Satisfactory
Date of Receipt : 03-12-18
Sample Type : 40mm down size coarse aggregate
Reference to BIS codes : IS: 383:2016 (Specification for Coarse and fine Aggregates)
IS: 2386 :1963(Part - 1,3,4) RA2011
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids, Water Absorption
IS 2386 Part 4: Mechanical Properties
Date of test : 03-12-18

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 40MM DOWN COARSE AGGREGATE:

Total weight taken		15000		grams		% Passing	Required as per IS 383:2016
Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained			
1	80mm	0	0	0.0	100	100	
2	40 mm	217	217	1.4	98.6	90-100	
3	20 mm	7453	7670	51.1	48.9	30-70	
4	10 mm	4266	11936	79.6	20.4	10-35	
5	4.75 mm	2844	14780	98.5	1.5	0-5	
6	Pan	220	15000	100.0	0	---	





TEST REPORT OF PRECAST COVER SLAB

Date: 17-12-18

Lab ID : CP-2019-01-11-50
Customer : Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address : Yelahanka Sub Division, BBMP, Bangalore.
Project Name : Improvements to Roads and Drain at Shushrusha Hospital Back Side in Ward No-01 of Yelahanka Sub Division.
Agency : Sri. Harshith Raj R Noo:286, Doddaballapura, Bangalore.
Customer's Reference : EE(YNK.D)E-PMT-19/WO/88/2018-19
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 12-12-18
Sample Type /Size : Precast Cover Slab
Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete
Date of test : 12/12/2018

Sl. No.	Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
		(mm)	(mm)	(kg)	(Sq.mm)	(KN)	(N/mm ²)	(N/mm ²)	(N/mm ²)
1	Cover Slab-1	165.51	200.48	2.116	21511	85.9	4.0	3.7	4.6
2	Cover Slab-2	165.49	200.52	2.122	21506	86.3	4.0	3.7	4.7
3	Cover Slab-3	165.50	200.51	2.118	21508	86.5	4.0	3.7	4.7

Note:
The results pertain to the samples received and tested.
Any information furnished by the Customer/Representative.
Any correction in the report will make this report invalid.
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate.

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager



Page 1/1

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL
GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES